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Reply to Office Action of December 16, 2003

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CLAIM SET AS AMENDED

1. (Currently Amended) A method for handling call requests, comprising:

providing a plurality of private branch exchanges, the private branch exchanges being connectable to and being compatible with a public switched network, and being connectable to but not being compatible with a wireless communication network;

coupling one of a plurality of controllers having computer integration technology to each of the plurality of private branch exchanges and to the wireless communication network, each of said controllers being capable of instructing the private branch exchange to which it is coupled to execute a proper protocol via computer telephony integration;

receiving a request at one of the private branch exchanges to complete a call originating from a wireless communication device to a central office;

determining said proper protocol for processing said request; and

instructing a the private branch exchange receiving said call request to execute said proper protocol provided between said wireless communication device and said central office to execute said proper protocol via computer telephony integration,

thereby enabling completion of said call originating from the wireless communication device to the central office.

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2. (Original) The method as in claim 1, wherein said act of determining comprises determining whether an appropriate signaling protocol is available for enabling completion of said call.

3. (Original) The method as in claim 2, wherein said act of determining whether an appropriate signaling protocol is available comprises determining whether a Q signal sequence is available for enabling said private branch exchange to communicate with at least one of a public switched telephone network and an audio switch associated with said wireless communications device.

4. (Original) The method as in claim 1, wherein said act of instructing further comprises instructing said private branch exchange to communicate with a public switched telephone network.

5. (Original) The method as in claim 4 further comprising instructing said private branch exchange to communicate with said wireless communications device.

6. (Original) The method as in claim 5, wherein said act of instructing comprises instructing said private branch exchange to communicate with said wireless communications device via an audio switch.

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7. (Original) The method as in claim 6, wherein said act of instructing comprises instructing said private branch exchange to communicate with said wireless communications device via a two-way radio console and said audio switch.

8. (Original) The method as in claim 5 further comprising instructing said private branch exchange to communicate status of said call to said wireless communications device.

9. (Original) The method as in claim 8, wherein said act of instructing comprises instructing said private branch exchange to communicate a busy signal to said wireless communications device when an intended receiving device of said call is not available to accept said call.

10. (Original) The method as in claim 8, wherein said act of instructing comprises instructing said private branch exchange to communicate a verbal message to said wireless communications device.

11. (Original) The method as in claim 4, wherein said act of instructing said private branch exchange comprises instructing said private branch exchange to communicate with said public switched telephone network by executing a predetermined set of instructions.

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12. (Original) The method as in claim 11, wherein said act of instructing said private branch exchange comprises instructing said private branch exchange to execute a predetermined signaling protocol.

13. (Original) The method as in claim 12, wherein said act of instructing said private branch exchange comprises instructing said private branch exchange to execute a Q signal sequence.

14. (Original) The method as in claim 11, wherein said act of instructing said private branch exchange comprises instructing said private branch exchange to execute a call vector.

15. (Currently Amended) A method for handling call requests, comprising:

providing a plurality of private branch exchanges, the private branch exchanges being connectable to and being compatible with a public switched network, and being connectable to but not being compatible with a wireless communication network;

coupling one of a plurality of controllers having computer integration technology to each of the plurality of private branch exchanges and to the wireless communication network, each of said controllers being capable of instructing the private branch exchange to which it is coupled to execute a proper protocol via computer telephony integration;

receiving a request at one of the private branch exchanges to complete a call originating from a central office to a wireless communication device;

determining said proper protocol for processing said request; and

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instructing a the private branch exchange receiving said call request to execute said

proper protocol provided between said wireless communication device and said central office

to execute said proper protocol via computer telephony integration,

thereby enabling completion of said call originating from the central office to the

wireless communication device.

16. (Original) The method as in claim 15, wherein said act of determining comprises

determining whether an appropriate signaling protocol is available for enabling said private

branch exchange to communicate with at least one of a public switched telephone network and

an audio switch associated with said wireless communications device.

17. (Original) The method as in claim 16, wherein said act of determining whether an

appropriate signaling protocol is available comprises determining whether a Q signal sequence is

available for enabling completion of said call.

18. (Original) The method as in claim 15, wherein said act of instructing further

comprises instructing said private branch exchange to communicate with a public switched

telephone network.

19. (Original) The method as in claim 18 further comprising instructing said private

branch exchange to communicate with said wireless communications device.

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20. (Original) The method as in claim 19, wherein said act of instructing comprises instructing said private branch exchange to communicate with said wireless communications device via an audio switch.

21. (Original) The method as in claim 20, wherein said act of instructing comprises instructing said private branch exchange to communicate with said wireless communications device via a two-way radio console and said audio switch.

22. (Original) The method as in claim 19 further comprising instructing said private branch exchange to communicate status of said call to said central office.

23. (Original) The method as in claim 22, wherein said act of instructing comprises instructing said private branch exchange to communicate a busy signal to said central office when said wireless communications device is not available to receive said call.

24. (Original) The method as in claim 22, wherein said act of instructing comprises instructing said private branch exchange to communicate a verbal message to said central office.

25. (Original) The method as in claim 18, wherein said act of instructing said private branch exchange comprises instructing said private branch exchange to communicate with said public switched telephone network by executing a predetermined set of instructions.

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26. (Original) The method as in claim 25, wherein said act of instructing said private branch exchange comprises instructing said private branch exchange to execute a predetermined signaling protocol.

27. (Original) The method as in claim 26, wherein said act of instructing said private branch exchange comprises instructing said private branch exchange to execute a Q signal sequence.

28. (Original) The method as in claim 25, wherein said act of instructing said private branch exchange comprises instructing said private branch exchange to execute a call vector.

29. (Currently Amended) A system for handling call requests, comprising:

a plurality of private branch ~~exchange~~ exchanges being connectable to and being compatible with a public switched network, and being connectable to but being not compatible with ~~for enabling communication between~~ a wireless communication network, thus preventing the private branch exchanges from communicating with the wireless communication network ~~and a public switched network~~; and

a plurality of ~~controller~~ controllers having computer telephony integration technology each of said controllers being coupled to ~~said~~ the private branch exchanges and the wireless communication network and ~~said private branch exchange~~ for instructing ~~said~~ each one of the plurality of private branch ~~exchange~~ exchanges with regard to ~~said~~

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~~communications~~ communicating between ~~said~~ the wireless communication network and ~~said~~

the public switched telephone network,

thereby enabling each one of the private branch exchanges to communicate between

the wireless communications network and the public switched network.

30. (Original) The system as in claim 29 further comprising said wireless communication

network.

31. (Original) The system as in claim 30, wherein said wireless communication network

comprises an audio switch coupled to said private branch exchange and also coupled to said

controller for enabling communication between said wireless communication network and said

public switched telephone network.

32. (Original) The system as in claim 31, wherein said wireless communication network

comprises a two-way radio console coupled to said audio switch and also coupled to said

controller for enabling communication between said wireless communication system and said

public switched telephone network.

33. (Original) The system as in claim 32, wherein said wireless communication network

comprises a plurality of wireless communication devices, each of said devices being capable of

communicating with said two-way radio console via a wireless link.

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34. (Original) The system as in claim 33, wherein said plurality of wireless communication devices comprise a plurality of wireless transceivers.

35. (Original) The system as in claim 29, wherein said controller is an adjunct controller.

36. (Original) The system as in claim 29, wherein said private branch exchange is a DEFINITY® private branch exchange.

37. (Original) The system as in claim 29, wherein said controller is configured to:

receive a request to complete a call in a direction from a wireless communication device to a central office, or vice versa;

determine proper protocol for processing said request; and

instruct said private branch exchange to execute said proper protocol via said computer telephony integration technology, thereby enabling completion of said call.

38. (Original) The system as in claim 29, wherein said controller is configured to determine whether an appropriate signaling protocol is available for enabling said private branch exchange to communicate with at least one of a public switched telephone network and an audio switch associated with said wireless communications device.

39. (Original) The system as in claim 29, wherein said controller is configured to determine whether a Q signal sequence is available for enabling completion of said call.

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40. (Original) The system as in claim 29, wherein said controller is configured to instruct said private branch exchange to communicate with a wireless communication device of said wireless communication network.

41. (Original) The system as in claim 29, wherein said controller is configured to instruct said private branch exchange to communicate status of said call to either said central office or a wireless communication device of said wireless communication network.

42. (Original) The system as in claim 29, wherein said controller is configured to instruct said private branch exchange to communicate a busy signal to either said central office or a wireless communication device of said wireless communication network in response to said call request when an intended receiving device of said call is not available to receive said call.

43. (Original) The system as in claim 29, wherein said controller is configured to instruct said private branch exchange to communicate a verbal status message to either said central office or a wireless communication device of said wireless communication network in response to said call request.

44. (Original) The system as in claim 29, wherein said controller is configured to instruct said private branch exchange to communicate with said public switched telephone network by executing a predetermined set of instructions.

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45. (Original) The system as in claim 29, wherein said controller is configured to instruct said private branch exchange to communicate with said public switched telephone network by executing a signaling protocol.

46. (Original) The system as in claim 29, wherein said controller is configured to instruct said private branch exchange to execute a Q signal sequence for communicating with said public switched telephone network.

47. (Original) The system as in claim 29, wherein said controller is configured to instruct said private branch exchange to execute a call vector for communicating with said public switched telephone network.

48. (New) A system for handling call requests, including

an adjunct controller coupled to a private branch exchange and a wireless communication network,

the private branch exchange being connectable to and being compatible with a public switched network, and being connectable to but not compatible with the wireless communication network,

the adjunct controller having computer telephony integration technology for instructing the private branch exchange with regard to communicating between the wireless communication network and the public switched telephone network,

thereby enabling the private branch exchange to communicate between the wireless communications network and the public switched network, so that calls originating at a

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central office may be completed to wireless devices on the wireless communications

network, and other calls originating at the wireless devices on the wireless communication

may be completed at the central office.